

Storm Data and Unusual Weather Phenomena - June 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
IOWA, Northeast				
FLOYD COUNTY --- 3.5 SSE RUDD [43.08, -92.91]				
	06/17/09 18:26 CST		0	Funnel Cloud
	06/17/09 18:26 CST		0	Source: Trained Spotter
A funnel cloud was reported at 190th Street and Glass Avenue by several groups, including spotters and the broadcast media.				
HOWARD COUNTY --- ELMA [43.25, -92.45]				
	06/17/09 18:42 CST		0	Hail (0.75 in)
	06/17/09 18:42 CST		0	Source: Public
FLOYD COUNTY --- 0.9 SE CHARLES CITY ARPT [43.06, -92.59]				
	06/17/09 19:08 CST		5K	Hail (1.00 in)
	06/17/09 19:08 CST		10K	Source: Law Enforcement
HOWARD COUNTY --- LIME SPGS [43.45, -92.28]				
	06/17/09 19:20 CST		7.50K	Hail (1.00 in)
	06/17/09 19:20 CST		8K	Source: Trained Spotter
CHICKASAW COUNTY --- 3.0 NW NEW HAMPTON [43.10, -92.37]				
	06/17/09 19:58 CST		0	Hail (0.75 in)
	06/17/09 19:58 CST		0	Source: Public
HOWARD COUNTY --- LIME SPGS [43.45, -92.28]				
	06/17/09 20:23 CST		10K	Hail (1.75 in)
	06/17/09 20:23 CST		20K	Source: Law Enforcement
HOWARD COUNTY --- 0.5 E ELMA [43.25, -92.44]				
	06/17/09 20:56 CST		5K	Hail (1.00 in)
	06/17/09 20:56 CST		10K	Source: Law Enforcement
HOWARD COUNTY --- CRESCO [43.38, -92.12]				
	06/17/09 20:56 CST		0	Hail (0.75 in)
	06/17/09 20:56 CST		0	Source: Law Enforcement
FAYETTE COUNTY --- 5.0 W WEST UNION [42.97, -91.90]				
	06/17/09 21:09 CST		0	Hail (0.88 in)
	06/17/09 21:09 CST		0	Source: Law Enforcement
CHICKASAW COUNTY --- 1.0 E LAWLER [43.07, -92.15]				
	06/17/09 22:31 CST		15K	Thunderstorm Wind (EG 55 kt)
	06/17/09 22:31 CST		20K	Source: Law Enforcement
Power lines and trees were downed in Lawler.				
CHICKASAW COUNTY --- 1.0 E LAWLER [43.07, -92.15]				
	06/17/09 22:31 CST		20K	Hail (1.75 in)
	06/17/09 22:31 CST		30K	Source: Law Enforcement
CHICKASAW COUNTY --- 2.3 NNE LAWLER [43.10, -92.15]				
	06/17/09 22:35 CST		50K	Hail (1.75 in)
	06/17/09 22:35 CST		0.15M	Source: Emergency Manager

Crops in approximately 15 sections of land north of Lawler were stripped and destroyed. Also, some window, siding and roof damage was reported. Areas impacted were between State Highway 24 and County Road B33 and a corridor 2 miles west and east of County Road V56. Hail in the entire area was estimated between 1 and 2 inches in diameter.

Storm Data and Unusual Weather Phenomena - June 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
FAYETTE COUNTY --- 1.2 NE ALPHA [43.01, -92.03]				
	06/17/09 22:44 CST		20K	Hail (1.75 in)
	06/17/09 22:44 CST		70K	Source: Public
Hail a bit larger than golf ball size, with a single line of spikes, broke windows and damaged siding on a house. Also, a total of 4.8 inches of rain was measured.				
FAYETTE COUNTY --- 3.3 ENE ALPHA [43.02, -91.99]				
	06/17/09 22:48 CST		15K	Hail (1.50 in)
	06/17/09 22:48 CST		20K	Source: Trained Spotter
FAYETTE COUNTY --- 3.3 ENE ALPHA [43.02, -91.99]				
	06/17/09 22:48 CST		20K	Hail (2.00 in)
	06/17/09 22:48 CST		15K	Source: Trained Spotter
Severe thunderstorms were triggered along a warm front during the evening of June 17. Storm spotters observed funnel clouds and also reported hail up to the size of baseballs, which caused considerable damage to crops in some locations. Thunderstorm winds also caused damage to windows, siding and roofs.				
CHICKASAW COUNTY --- 1.7 NE LAWLER [43.09, -92.15], 2.6 SSW LITTLE TURKEY [43.09, -92.12], 2.7 ENE LAWLER [43.08, -92.12], 1.0 ENE LAWLER [43.08, -92.15]				
	06/17/09 21:30 CST		20K	Flash Flood (due to Heavy Rain)
	06/17/09 23:30 CST		30K	Source: Emergency Manager
Water covered roads in several locations, including County Road V56 and Vanderbilt Avenue, as well as along 190th Street. In addition, some farmer's dikes were reported washed out.				
FAYETTE COUNTY --- 1.2 NE ALPHA [43.01, -92.03]				
	06/17/09 21:58 CST		0	Heavy Rain
	06/17/09 21:58 CST		0	Source: Trained Spotter
A rainfall amount of 3.52 inches was reported.				
Scattered thunderstorms developed along a warm front during the evening of June 17, producing 3 to 5 inches of rain within a couple of hours. Localized flash flooding affected areas near the town of Lawler, where water covered several roads and also washed out some farmer's dikes.				
WINNESHIEK COUNTY --- 0.5 E CALMAR [43.18, -91.87]				
	06/18/09 20:00 CST		4K	Hail (1.00 in)
	06/18/09 20:00 CST		0	Source: Broadcast Media
ALLAMAKEE COUNTY --- 2.0 S WATERVILLE [43.19, -91.30]				
	06/18/09 20:46 CST		0	Hail (0.75 in)
	06/18/09 20:46 CST		0	Source: Public
ALLAMAKEE COUNTY --- 1.2 SW HARPERS FERRY [43.19, -91.17]				
	06/18/09 20:56 CST		0	Thunderstorm Wind (EG 50 kt)
	06/18/09 20:56 CST		0	Source: Public
A tree branch 4 inches in diameter was broken and rain totaled just under 3 inches.				
ALLAMAKEE COUNTY --- 1.2 SW HARPERS FERRY [43.19, -91.17]				
	06/18/09 21:30 CST		0	Heavy Rain
	06/18/09 21:30 CST		0	Source: Public
A rainfall total of 4.5 inches was reported.				
Scattered thunderstorms occurred during the evening of June 18. An isolated report of hail the size of quarters was received from a storm spotter and the news media.				
FLOYD COUNTY --- 0.5 E CHARLES CITY [43.07, -92.69]				

Storm Data and Unusual Weather Phenomena - June 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/23/09 15:01 CST		15K	Thunderstorm Wind (EG 55 kt)
	06/23/09 15:01 CST		0	Source: Fire Department/Rescue

A semi-truck was blown over on Highway 18 just west of Charles City.

FAYETTE COUNTY --- 0.3 NE OELWEIN MUNI ARPT [42.68, -91.98]

06/23/09 15:55 CST	0	Thunderstorm Wind (MG 56 kt)
06/23/09 15:55 CST	0	Source: AWOS

During the late afternoon of June 23, a cluster of thunderstorms producing wind gusts of 60 to 65 mph affected locations from Charles City (Floyd County) to Oelwein (Fayette County).

MINNESOTA, Southeast

DODGE COUNTY --- 1.0 S CLAREMONT [44.04, -93.00]

06/17/09 18:33 CST	0	Hail (0.75 in)
06/17/09 18:33 CST	0	Source: Law Enforcement

MOWER COUNTY --- 5.2 NNE CORNING [43.84, -93.01]

06/17/09 18:33 CST	0	Funnel Cloud
06/17/09 18:33 CST	0	Source: Trained Spotter

DODGE COUNTY --- 8.5 WSW HAYFIELD [43.85, -93.04]

06/17/09 18:37 CST	5K	Hail (3.00 in)
06/17/09 18:37 CST	10K	Source: Broadcast Media

MOWER COUNTY --- 2.5 W RAMSEY [43.72, -93.03], 2.3 SSE AUSTIN [43.64, -92.91]

06/17/09 19:00 CST	2M	Tornado (EF2, L: 9.60 mi , W: 120 yd)
06/17/09 19:23 CST	30K	Source: NWS Storm Survey

A tornado caused damage on the north and northeast side of the city of Austin. Specific reports included minor tree damage, as well as debris blown into fences and bent poles on the northwest side of Austin. Several power poles were snapped off or bent along Highway 218 on the north side of the city. Several metal work buildings were heavily damaged along 243rd St, along with numerous trees and some minor roof damage to nearby homes. Large debris, such as metal dumpsters, were tossed large distances. There was straight-line wind damage noted south of the tornado path, or along Highway 218 and 4th St NW. Several homes had minor damage, with numerous trees blown over or sheared off along 236th and 237th Street directly north of downtown Austin. There was considerable damage done in Todd Park, including athletic equipment, small buildings and hundreds of trees toppled and uprooted. The north side of the park, including the northern softball fields had the most damage. There was also considerable tree damage along 21st St NE or 555th Ave, which continued into the Austin Country Club. Minor damage was noted about a half mile east of the Austin airport and about 2 miles southeast of the airport. One minor injury was reported when a man sustained scrapes and bruises when he took shelter in a shed that rolled over twice.

MOWER COUNTY --- AUSTIN [43.67, -92.93]

06/17/09 19:27 CST	10K	Hail (1.50 in)
06/17/09 19:27 CST	0	Source: Public

MOWER COUNTY --- 3.3 ENE ROSE CREEK [43.62, -92.79]

06/17/09 19:44 CST	0	Funnel Cloud
06/17/09 19:44 CST	0	Source: Fire Department/Rescue

MOWER COUNTY --- ADAMS [43.57, -92.73]

06/17/09 19:51 CST	1K	Tornado (EF0, L: 0.10 mi , W: 15 yd)
06/17/09 19:51 CST	0	Source: Fire Department/Rescue

A brief tornado was witnessed by the Le Roy Fire Department storm spotters.

DODGE COUNTY --- CLAREMONT [44.05, -93.00]

06/17/09 19:56 CST	0	Hail (0.88 in)
06/17/09 19:56 CST	0	Source: Law Enforcement

Storm Data and Unusual Weather Phenomena - June 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MOWER COUNTY --- 3.0 NW LE ROY [43.55, -92.56]	06/17/09 19:57 CST		0	Hail (0.75 in)
	06/17/09 19:57 CST		0	Source: Fire Department/Rescue
MOWER COUNTY --- 2.1 NNW LE ROY [43.55, -92.53]	06/17/09 20:13 CST		10K	Hail (1.75 in)
	06/17/09 20:13 CST		15K	Source: Fire Department/Rescue

Severe thunderstorms were triggered along a warm front during the evening of June 17. One of the storms produced two known tornadoes, one that initially touched down near the Dodge and Mower County line, northwest of the city of Austin. The tornado then moved through far north sections of Austin to areas about 3 miles east of Austin. The worst tornado damage was considered EF2 about 3 miles north of downtown near the intersection of 243rd and 4th street northwest. The bulk of the remaining damage was considered EF0 and EF1. The tornado was on the ground from approximately 8:00 p.m. until 8:23 p.m. Path length was about 10 miles long and had a maximum width of 120 yards. Another small tornado touched down southeast of this track in open country in rural Mower County.



Damage to buildings north of Austin, MN on June 17, 2009. Photo by Todd Shea, NWS La Crosse.

WISCONSIN, Southwest

GRANT COUNTY --- 3.8 SSE BLUE RIVER [43.13, -90.54]

Storm Data and Unusual Weather Phenomena - June 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/18/09 22:00 CST		2.50K	Hail (1.25 in)
	06/18/09 22:00 CST		5K	Source: Public

Hail was associated with the first storm to move through the area. In addition, around 4.5 inches of rain was measured.

GRANT COUNTY --- BLUE RIVER [43.18, -90.57]

06/18/09 22:15 CST	0	Hail (0.88 in)
06/18/09 22:15 CST	0	Source: Public

GRANT COUNTY --- BLUE RIVER [43.18, -90.57]

06/18/09 22:20 CST	0	Hail (0.75 in)
06/18/09 22:20 CST	0	Source: Fire Department/Rescue

GRANT COUNTY --- 2.4 SW BLUE RIVER [43.16, -90.61]

06/18/09 22:23 CST	3.50K	Hail (1.25 in)
06/18/09 22:23 CST	8K	Source: Fire Department/Rescue

GRANT COUNTY --- 2.4 SW BLUE RIVER [43.16, -90.61]

06/18/09 22:25 CST	8K	Hail (1.75 in)
06/18/09 22:25 CST	10K	Source: Fire Department/Rescue

GRANT COUNTY --- 1.0 W MUSCODA [43.18, -90.47]

06/18/09 22:28 CST	0	Hail (0.75 in)
06/18/09 22:28 CST	0	Source: Trained Spotter

A cluster of thunderstorms produced large hail up to the size of baseballs during the late evening of June 18.

GRANT COUNTY --- 2.1 WSW CASTLE ROCK [43.04, -90.57], 0.6 W CASTLE ROCK [43.05, -90.54], 0.4 SSW CASTLE ROCK [43.05, -90.53], 1.9 SW CASTLE ROCK [43.03, -90.56]

06/19/09 01:45 CST	10K	Flash Flood (due to Heavy Rain)
06/19/09 03:55 CST	15K	Source: Law Enforcement

Water was reported covering Collins Road and County Road Q near Castle Rock.

GRANT COUNTY --- 2.6 ENE WERLEY [43.03, -90.72], 3.5 E WERLEY [43.01, -90.70], 0.8 SSE WERLEY [43.01, -90.76], 0.3 WNW WERLEY [43.02, -90.77]

06/19/09 01:50 CST	30K	Flash Flood (due to Heavy Rain)
06/19/09 03:55 CST	20K	Source: Law Enforcement

A few homes were evacuated in the town of Werley due to flooding of the Big Green River. Star Lane, just outside of Werley, was reported to be crumbling due to high water.

GRANT COUNTY --- 0.7 S WERLEY [43.01, -90.77], 0.4 WNW WERLEY [43.02, -90.78], 0.8 E WERLEY [43.02, -90.75], 0.8 SE WERLEY [43.01, -90.76]

06/19/09 01:55 CST	30K	Flash Flood (due to Heavy Rain)
06/19/09 03:30 CST	20K	Source: Law Enforcement

Water was reported around some houses in the town of Werley. Law enforcement officials were proceeding there for rescues.

GRANT COUNTY --- 0.7 S WERLEY [43.01, -90.77], 0.6 WNW WERLEY [43.02, -90.78], 1.1 ENE WERLEY [43.03, -90.75], 1.4 ESE WERLEY [43.02, -90.74]

06/19/09 01:56 CST	20K	Flash Flood (due to Heavy Rain)
06/19/09 03:55 CST	20K	Source: Law Enforcement

As much as 15 feet of water was reported in the town of Werley due to flooding of the Big Green River.

A cluster of thunderstorms producing heavy rain caused flash flooding during the early morning hours of June 19. Rainfall amounts were estimated at 3 to 7 inches. Hardest hit was the town of Werley, along the Big Green River, where a few homes were evacuated due to flood waters.

GRANT COUNTY --- 0.5 E DICKEYVILLE [42.63, -90.59]

06/19/09 07:46 CST	1.50K	Thunderstorm Wind (EG 52 kt)
06/19/09 07:46 CST	0	Source: Emergency Manager

Storm Data and Unusual Weather Phenomena - June 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Wind gusts of 50 to 60 mph were reported from Potosi to Dickeyville.				
GRANT COUNTY --- 0.5 E DICKEYVILLE [42.63, -90.59]				
	06/19/09 07:55 CST		1K	Thunderstorm Wind (MG 50 kt)
	06/19/09 07:55 CST		0	Source: Emergency Manager
Winds gusting between 55 and 60 mph were observed during the morning of June 19 as an isolated severe thunderstorm moved through the southwest corner of Wisconsin.				
ADAMS COUNTY --- 5.4 SSE FRNDSHP ADAMS CO ARP [43.90, -89.73]				
	06/19/09 14:00 CST		0.50K	Thunderstorm Wind (EG 52 kt)
	06/19/09 14:00 CST		0	Source: Amateur Radio
A large tree was downed along County Highway E.				
ADAMS COUNTY --- 5.4 SSE ADAMS [43.88, -89.77]				
	06/19/09 14:05 CST		0.50K	Thunderstorm Wind (EG 52 kt)
	06/19/09 14:05 CST		0	Source: Law Enforcement
Two large trees were knocked down near 10th and Edgewood St.				
During the afternoon of June 19, a cold front triggered thunderstorms with damaging winds, which affected a small part of central Wisconsin. Trees were knocked down near Grand Marsh.				
TAYLOR COUNTY --- 0.8 SSE MEDFORD [45.12, -90.34], 3.1 SW DONALD [45.22, -90.95], 5.0 NNW JUMP RIVER [45.41, -90.86], 3.0 SE CHELSEA [45.26, -90.27]				
	06/22/09 04:30 CST		10K	Flood (due to Heavy Rain)
	06/22/09 06:30 CST		3K	Source: Law Enforcement
Flooding was reported along County Road M, which closed one lane. There were also reports of washouts in some nearby backyards. In fact, a large part of a back yard of a residence near the intersection of County Road E and M was washed into a lake.				
TAYLOR COUNTY --- 4.8 WSW WHITTLESEY [45.19, -90.42], 3.1 S WHITTLESEY [45.17, -90.34], 0.4 ESE MEDFORD [45.13, -90.34], 3.5 WNW MEDFORD [45.15, -90.42]				
	06/22/09 04:35 CST		10K	Flood (due to Heavy Rain)
	06/22/09 06:45 CST		5K	Source: Law Enforcement
Several culverts and roads were washed out in the township of Hammel.				
TAYLOR COUNTY --- 4.5 NW MEDFORD [45.18, -90.41]				
	06/22/09 07:45 CST		0	Heavy Rain
	06/22/09 07:45 CST		0	Source: Public
A rainfall amount of 3.51 inches was reported.				
A cluster of thunderstorms dropped 3 to 6 inches of rain on parts of north central Wisconsin during the early morning of June 22. This caused flooding, which washed out some roads and culverts. In addition, heavy rain caused a large part of the back yard of a home near Perkinstown to erode into a lake.				